

IR Kit and Temperature Probes

Stem <u>Length</u>

100mm

100mm 4"

150/36mm 5.9"/1.4"

203mm

NA

100mm

203mm

63.5mm

NA

NA

203mm

NΔ

or 375/376/377

Lead

Length

1M 3'

1M 3'

1M 3'

NΔ

1M

1M 3'

1M 3'

.6M 25.5"

1.2M

1.2M 25.5"

NΔ

1M,

Diameter

3.2mm 0.126"

6.4mm 0.25"

6.4mm 0.25"

3.75mm 0.148"

NA

3.2mm 0.126"

3.75mm 0.148"

3.18mm

NA

NA

3.75mm 0.148"

NA

Insulation

Material

PVC

PVC

PVC

NA

PVC

PVC

PVC

Teflon FDA

Approved

Fiberglass

Teflon FDA

Approved

NA

Stainless Steel

Thermocouple TerminationModel # DescriptionRange*F/°CCK11MSoft to 250°CCK13MCK13MCK13MSearceCK13MStandard tureven surfacesCK14MStandard tureven surfaceCK13MSoft to 550°CCK14MSoft to 550°CCK15MSurface being measuredCK15MSurface being measuredCK15MSurface being measuredCK15MSurface being measuredCK15MSurface being measuredCK15MSurface being measuredCK15MSurface being measuredCK15MSurface being measuredCK11MSurface being surface being measuredFK11M <th></th> <th></th> <th></th>			
CK11MDescriptionRange*F/°CCK11MCK11M-50° to 250°CWith ribbon sensor to contact uneven surfaces-50° to 250°CCK13MCK13M-50° to 650°CHeavy duty K-type surface probe with spring sensor to maintain pressure on seasured-50° to 650°CCK14MCK14M-50° to 650°CCK15MCK14M-50° to 1202°FCK15MCK14M-50° to 1202°FCK15MCK14M-50° to 1202°FSurface being measured-50° to 1202°FCK15MCK14M-50° to 510°CSurface being measured-50° to 100°CCK15MCK14M-50° to 510°CFK11MPIPE CLAMP PROBE cK21M-50° to 100°CFK11MFK11M-50° to 100°CFK11MFK11M-50° to 250°CFK13MFK13M-40° to 850°CFK13MFK13M-40° to 850°CFK13MFK13M-40° to 204°CFK13MFK26M-40° to 204°CFK13MStandard K-type thermocouple probe40° to 204°C -50° to 510°CFK13MStandard K-type thermocouple probe50° to 510°C -40° to 500°FGK13MGK13MStandard K-type thermocouple probe50° to 510°C -40° to 500°FGK13MStandard K-type thermocouple probe50° to 510°C -50° to 510°C -50° to 500°FGK13MStandard K-type thermocouple probe50° to 510°C -50° to 500°FGK13MStandard K-type thermocouple probe40° to 500°F -50° to 500°F		Thermocoup	le Temp
CK11MDescriptionRange*F/°CCK11MCK11M-50° to 250°CWith ribbon sensor to contact uneven surfaces-50° to 250°CCK13MCK13M-50° to 650°CHeavy duty K-type surface probe with spring sensor to maintain pressure on seasured-50° to 650°CCK14MCK14M-50° to 650°CCK15MCK14M-50° to 1202°FCK15MCK14M-50° to 1202°FCK15MCK14M-50° to 1202°FSurface being measured-50° to 1202°FCK15MCK14M-50° to 510°CSurface being measured-50° to 100°CCK15MCK14M-50° to 510°CFK11MPIPE CLAMP PROBE cK21M-50° to 100°CFK11MFK11M-50° to 100°CFK11MFK11M-50° to 250°CFK13MFK13M-40° to 850°CFK13MFK13M-40° to 850°CFK13MFK13M-40° to 204°CFK13MFK26M-40° to 204°CFK13MStandard K-type thermocouple probe40° to 204°C -50° to 510°CFK13MStandard K-type thermocouple probe50° to 510°C -40° to 500°FGK13MGK13MStandard K-type thermocouple probe50° to 510°C -40° to 500°FGK13MStandard K-type thermocouple probe50° to 510°C -50° to 510°C -50° to 500°FGK13MStandard K-type thermocouple probe50° to 510°C -50° to 500°FGK13MStandard K-type thermocouple probe40° to 500°F -50° to 500°F	10	Madal #	
K-type surface probe with ribbon sensor to contact uneven surfaces -50° to 482°F CK13M -50° to 650°C Heavy duty K-type surface probe with spring sensor to maintain pressure on surface being measured -50° to 650°C CK14M -50° to 650°C Weavy duty K-type surface probe with spring sensor to maintain pressure on surface being measured -50° to 1202°F CK15M -60° to 510°C Weavy duty K-type surface probe to use with HK11M handle. -40° to 510°C FK11M CK15M -40° to 510°C FK11M FK11M -50° to 1202°F FK13M FK11M -50° to 1202°F FK13M FK11M -50° to 100°C FK13M FK11M -50° to 250°C FK13M FK11M -50° to 510°C FK13M FK11M -50° to 510°C FK13M Standard K-type thermocouple probe. -40° to 510°C GK11M Standard K-	CK11M		<u>Range°F/°C</u>
with ribbon sensor to contact uneven surfaces -50° to 650°C CK13M -50° to 650°C Heavy duty K-type spring sensor to maintain pressure on surface being measured -50° to 650°C CK14M -50° to 650°C With ribbon sensor to maintain pressure on surface being measured -50° to 650°C CK15M -60° to 510°C With HK11M handle. -40° to 510°C FK11M -40° to 510°C FK13M PIPE CLAMP PROBE CK21M -50° to 100°C FK13M FK11M -50° to 250°C FK13M FK11M -50° to 250°C FK13M FK13M -50° to 250°C FK13M FK13M -40° to 850°C FK13M FK13M -40° to 250°C FK13M FK13M -40° to 250°C FK13M FK13M -40° to 850°C FK13M FK13M -40° to 1,562°T FK13M Standard K-type thermocouple probe. -40° to 204°C FK13M Standard K-type thermocouple probe. -50° to 510°C GK13M GK11M Standard K-type thermocouple probe. -50° to 510°C GK13M GK14M -40° to 500°F	-		-50° to 250°C
CK13M-50° to 650°CGK13MHeavy duty K-type spring sensor to nsurface being measured-50° to 1202°FGK14MCK14M-50° to 650°CGK15MCK14M-50° to 650°CGK15MCK15M-50° to 1202°FGK15MCK15M-50° to 510°CGK15MCK15M-40° to 510°CFK11MFYpe thermocouple pipe clamp for pipe diameters up to 1.2° (30mm) and for temperatures up to 2.12°F (100°C)-50° to 1202°FFK13MFK11M-50° to 250°C-40° to 250°CFK13MFK11M-50° to 250°C-40° to 250°CFK13MFK11M-50° to 250°C-40° to 850°CFK13MFK11M-50° to 250°C-40° to 850°CGK13MFK13M-40° to 850°C-40° to 204°CGK13MGK13MStandard K-type thermocouple probe50° to 510°C -40° to 204°CGK13MGK13MStandard K-type thermocouple probe50° to 510°C -40° to 500°FGK16MFK26MStandard K-type thermocouple probe50° to 510°C -40° to 500°FGK16MGK13MGK16M created sensing area-40° to 510°C -40° to 500°FGK16MFK18M terforations to protect sensing area-40° to 510°C -40° to 510°C -40° to 510°C	and the second se	with ribbon sensor to	-50 10 402 1
Weavy duty K-type surface probe with spring sensor to maintain pressure on surface being measured -50° to 1202°F CK14M -50° to 650°C CK14M -50° to 1202°F CK15M -50° to 1202°F CK15M -50° to 50°C CK15M -50° to 50°C CK15M -40° to 510°C CK15M -40° to 510°C With HK11M handle. -40° to 850°F With HK11M handle. -50° to 100°C FK13M -50° to 250°C FK13M -50° to 250°C FK13M -50° to 250°C FK11M -50° to 250°C FK13M -50° to 250°C FK13M -50° to 250°C FK13M -40° to 850°C FK13M -40° to 850°C FK11M -50° to 510°C FK11M -50° to 510°C FK13M -40° to 850°C FK13M -50° to 510°C FK13M -40° to 850°C FK13M -50° to 510°C FK11M -50° to 550°F Standard K-type -50° to 50°C GK13M Standard K-type -50° to 50°C			
surface probe with spring sensor to maintain pressure on surface being measured -50° to 650°C -50° to 1202°F CK14M -50° to 650°C -50° to 1202°F CK15M -40° to 510°C -40° to 950°F FK11M -50° to 100°C -40° to 950°F FK11M -50° to 250°C -40° to 250°C FK11M -50° to 250°C -40° to 250°C FK11M -50° to 250°C -40° to 100°C -40° to 1,562°1 FK13M FK11M FK26M -50° to 250°C -40° to 204°C -40° to 1,562°1 FK11M -50° to 510°C -40° to 204°C -40° to 400°F FK11M -50° to 510°C -40° to 510°C -50° to 950°F GK11M Standard K-type thermocouple probe. -40° to 510°C -50° to 950°F GK13M GK11M Standard K-type thermocouple probe. -50° to 510°C -50° to 950°F GK16M FK19P air probe for HK11M handle. -40° to 500°F -50° to 950°F GK16M FK18M Standard K-type thermocouple probe. -40° to 500°F GK16M Standard K-type thermocouple probe. -40° to 500°F GK16	CK13M		-50° to 650°C -50° to 1202°F
CK14Mmaintain pressure on surface being measured-50° to 650°C -50° to 1202°FCK15MCK14M Heavy duty K-type surface probe with spring sensor to maintain pressure on surface being measured-40° to 510°C -40° to 510°C -40° to 950°FCK15M FK11MCK15M Heavy duty K-type surface probe to use with HK11M handle40° to 510°C -40° to 950°FFK11M FK13MCK15M Heavy duty K-type surface probe to use with HK11M handle50° to 100°C -40° to 950°FFK13M FK13MFK11M K-type general purpose probe50° to 250°C -40° to 250°C -40° to 250°C -40° to 250°CFK13M FK13MFK13M K-type general purpose probe40° to 250°C -40° to 1,562°I -40° to 204°C -40° to 204°C -40° to 510°C -40° to 510°CGK11M GK13MGK11M Standard K-type thermocouple probe50° to 510°C -40° to 510°C -40° to 500°FGK16M K-type air probe for HK11M handle-50° to 510°C -40° to 500°FGK16M CK16M CK16MGK18M Shelded tip with perforations to profect sensing area40° to 500°C -40° to 550°F		surface probe with	
CK14MCK14M-50° to 650°CCK15MHeavy duty K-type surface probe with spring sensor to maintain pressure on surface being measured-40° to 510°CCK15MCK15M-40° to 510°CCK15MCK15M-40° to 510°CFK1MCK15M-40° to 510°CFK1MPIPE CLAMP PROBE CK21M-50° to 100°CFK13MPIPE CLAMP PROBE (30mm) and for temperatures up to 1.2° (30mm) and for temperatures up to 212°F (100°C)-50° to 250°CFK13MFK11M Standard K-type thermocouple probe50° to 250°C -40° to 250°CFK13MFK26M-50° to 250°C -40° to 250°CFK13MFK26M-50° to 510°C -40° to 204°CGK11MFK26M-50° to 510°C -40° to 510°CGK13MGK11M Standard K-type thermocouple probe50° to 510°C -40° to 510°C -40° to 500°FGK13MGK13M Standard K-type thermocouple probe50° to 510°C -40° to 500°FGK13MGK18M Standard K-type thermocouple probe50° to 510°C -40° to 500°FGK18MStandard K-type thermocouple probe40° to 250°C -40° to 500°FGK18MStandard K-type thermocouple probe50° to 510°C -40° to 500°FGK18MStandard K-type thermocouple probe40° to 500°F -40° to 500°FGK18MStandard K-type thermocouple probe40° to 500°F -40° to 500°FGK18MStandard K-type thermocouple probe40° to 500°F -40° to 500°FGK18MShielded tip with perforations to protect sensing area. <t< td=""><td>-</td><td>maintain pressure</td><td></td></t<>	-	maintain pressure	
K15MHeavy duty K-type surface probe with spring sensor to maintain pressure on surface being measured-50° to 1202°FK15MCK15M-40° to 510°C -40° to 950°F-40° to 510°C -40° to 950°FK21MPIPE CLAMP PROBE CK21M-50° to 100°C -45° to 212°FFK11MGomm) and for temperatures up to 1.2" (30mm) and for temperatures up to 212°F (100°C)-50° to 250°C -45° to 212°FFK13MFK11M K-type general purpose probe to use with HK11M handle-50° to 250°C -40° to 850°C -40° to 250°C -40° to 250°CFK13MFK13M K-type general purpose probe to use with HK11M handle-40° to 250°C -40° to 204°C -40° to 510°C -40° to 510°CFK13MFK26M Standard K-type thermocouple probe40° to 204°C -40° to 510°C -40° to 510°C -40° to 510°CGK13MGK11M Standard K-type thermocouple probe50° to 510°C -50° to 510°C -50° to 550°FGK16MGK13M Standard K-type thermocouple probe50° to 510°C -40° to 500°FGK16MGK18M Standard K-type thermocouple probe40° to 260°C -40° to 500°FGK16MGK18M perforations to protect sensing area-40° to 510°C -40° to 500°FGK16MShielded tip with perforations to protect sensing area-40° to 510°C -40° to 500°F	CK14M	measured	
Surface probe with spring sensor to maintain pressure on surface being measured -40° to 510°C -40° to 950°F CK15M -40° to 510°C -40° to 950°F CK21M CK15M Heavy duty K-type surface probe to use with HK11M handle. -50° to 100°C -45° to 212°F FK11M PIPE CLAMP PROBE CK21M -50° to 100°C -45° to 212°F FK11M FK11M -50° to 250°C -45° to 250°C FK13M FK11M -50° to 482°F FK13M FK13M -40° to 850°C -40° to 1,562°I FK13M FK13M -40° to 850°C -40° to 1,562°I FK11M FK26M -50° to 510°C -50° to 482°F FK11M FK26M -50° to 510°C -50° to 250°C GK11M FK26M -40° to 850°C -40° to 400°F GK11M FK26M -50° to 510°C -50° to 950°F GK11M FK26M -50° to 510°C -50° to 950°F GK13M GK16M -50° to 510°C -50° to 950°F GK16M Standard K-type thermocouple probe. -50° to 510°C -50° to 950°F GK16M GK16M -40° to 500°F GK16M Standard K-type thermocouple probe. -40° to 500°F GK16M Standard K-type thermocouple probe. -40° to 500°F <t< td=""><td></td><td></td><td>-50° to 650°C_</td></t<>			-50° to 650°C_
CK15Mmaintain pressure on surface being measuredImage: CK15M Heavy duty K-type surface probe to use with HK11M handle40° to 510°C -40° to 950°FImage: CK21M Image: CK21MCK15M Heavy duty K-type surface probe to use with HK11M handle50° to 100°C -45° to 212°FImage: FK11M Image: FK13MPIPE CLAMP PROBE CK21M K-type thermocouple pipe clamp for pipe diameters up to 1.2" (30mm) and for temperatures up to 212°F (100°C)-50° to 100°C -45° to 212°FImage: FK13M Image: FK13M FK26MFK11M K-type general purpose probe50° to 250°C -40° to 850°C -40° to 1,562°I -40° to 1,562°I -40° to 1,562°IImage: FK26M Image: FK26MFK26M Standard K-type thermocouple probe40° to 204°C -40° to 204°C -40° to 510°C -40° to 510°C -40° to 510°CImage: FK26M Image: FK26MGK11M Standard K-type thermocouple probe40° to 510°C -40° to 510°C -40° to 510°C -40° to 500°FImage: FK13M Image: FK26MGK11M Standard K-type thermocouple probe50° to 510°C -40° to 500°FImage: FK13M Image: FK13MGK11M Standard K-type thermocouple probe50° to 510°C -40° to 500°FImage: FK13M Image: FK13MGK16M Standard K-type thermocouple probe40° to 260°C -40° to 500°FImage: FK16M Image: FK16M Shielded tip with perforations to protect sensing area40° to 500°F -40° to 500°FImage: FK16M Shielded tip with perforations to protect sensing area40° to 510°C -40° to 500°F	~	surface probe with	-50° to 1202°F
measured CK15M Heavy duty K-type surface probe to use with HK11M handle. -40° to 510°C -40° to 950°F FK21M PIPE CLAMP PROBE CK21M -50° to 100°C -45° to 212°F K-type thermocouple pipe clamp for pipe diameters up to 1.2" (30mm) and for temperatures up to 212°F (100°C) -50° to 250°C -45° to 250°C FK11M -50° to 482°F K-type general purpose probe. -50° to 250°C -50° to 482°F FK13M -50° to 250°C -40° to 1,562°T FK26M FK13M FK26M -40° to 850°C -40° to 400°F FK26M FK26M GK11M FK26M GK13M -50° to 510°C -50° to 950°F GK13M Standard K-type thermocouple probe. -50° to 510°C -50° to 950°F GK16M GK18M -50° to 510°C -40° to 260°C -40° to 500°F GK16M Standard K-type thermocouple probe. -40° to 260°C -40° to 500°F GK16M Shielded tip with perforations to protect sensing area. -40° to 500°F -40° to 500°F		maintain pressure	
Heavy duty K-type surface probe to use with HK 11M handle40° to 950°FImage: Strate probe to use with HK 11M handle40° to 950°FImage: Strate probe to use with HK 11M handle50° to 100°C -45° to 212°FImage: Strate probe to use diameters up to 1.2" (30mm) and for temperatures up to 212°F (100°C)-50° to 250°C -45° to 250°C -50° to 482°FImage: Strate probe to use with HK 11M handle-50° to 250°C -50° to 482°FImage: Strate probe to use with HK 11M handle-40° to 850°C -40° to 1,562°IImage: Strate probe to use with HK 11M handle-40° to 204°C -40° to 400°FImage: Strate probe probe probe40° to 510°C -50° to 510°C -50° to 510°C -50° to 510°C -50° to 510°C -50° to 510°C -50° to 510°C -40° to 500°FImage: Strate probe probe50° to 510°C -40° to 500°FImage: Strate probe probe50° to 510°C -50° to 510°C -50° to 510°C -40° to 500°FImage: Strate probe probe50° to 510°C -50° to 510°C -40° to 500°FImage: Strate probe probe50° to 510°C -40° to 500°FImage: Strate probe probe40° to 260°C -40° to 500°FImage: Strate probe probe40° to 500°F -40° to 500°FImage: Strate probe probe probe probe40° to 510°C -40° to 500°FImage: Strate probe probe probe probe probe probe probe probe probe probe40° to 500°F -40° to 500°FImage: Strate probe pr	CK15M		
Heavy duty K-type surface probe to use with HK 11M handle40° to 950°FImage: Strate probe to use with HK 11M handle40° to 950°FImage: Strate probe to use with HK 11M handle50° to 100°C -45° to 212°FImage: Strate probe to use diameters up to 1.2" (30mm) and for temperatures up to 212°F (100°C)-50° to 250°C -45° to 250°C -50° to 482°FImage: Strate probe to use with HK 11M handle-50° to 250°C -50° to 482°FImage: Strate probe to use with HK 11M handle-40° to 850°C -40° to 1,562°IImage: Strate probe to use with HK 11M handle-40° to 204°C -40° to 400°FImage: Strate probe probe probe40° to 510°C -50° to 510°C -50° to 510°C -50° to 510°C -50° to 510°C -50° to 510°C -50° to 510°C -40° to 500°FImage: Strate probe probe50° to 510°C -40° to 500°FImage: Strate probe probe50° to 510°C -50° to 510°C -50° to 510°C -40° to 500°FImage: Strate probe probe50° to 510°C -50° to 510°C -40° to 500°FImage: Strate probe probe50° to 510°C -40° to 500°FImage: Strate probe probe40° to 260°C -40° to 500°FImage: Strate probe probe40° to 500°F -40° to 500°FImage: Strate probe probe probe probe40° to 510°C -40° to 500°FImage: Strate probe probe probe probe probe probe probe probe probe probe40° to 500°F -40° to 500°FImage: Strate probe pr		CK15M	-40° to 510°0
CK21Mwith HK11M handle.With HK11M handle.PIPE CLAMP PROBE CK21M-50° to 100°C -45° to 212°FFK11MFK12M-50° to 100°C -45° to 212°FFK13MFK11M (30mm) and for temperatures up to 212°F (100°C)-50° to 250°C -50° to 482°FFK13MFK11M purpose probe50° to 250°C -50° to 482°FFK26MFK13M Vith HK11M handle-40° to 850°C -40° to 1,562°IFK26MFK26M-40° to 850°C -40° to 1,562°IFK13MFK26M purpose probe-40° to 204°C -40° to 1,562°IGK11MStandard K-type thermocouple probe40° to 510°C -50° to 510°C -50° to 510°C -50° to 510°C -50° to 510°C -50° to 510°CGK13MGK13M Standard K-type thermocouple probe50° to 510°C -50° to 510°C -50° to 510°C -40° to 500°FGK16M K-type air probe for HK11M handle. Shielded tip with perforations to protect sensing area40° to 500°F -40° to 500°FGK18M Shielded tip with perforations to protect sensing area40° to 510°C -40° to 500°F		Heavy duty K-type	-40° to 950°F
CK21M K-type thermocouple pipe clamp for pipe diameters up to 1.2" (30mm) and for temperatures up to 0.212°F (100°C)-45° to 212°FFK11M FK13MFK11M K-type general purpose probe50° to 250°C -50° to 482°FFK13M FK26MFK13M K-type general purpose probe to use with HK11M handle-40° to 850°C -40° to 1,562°IFK26MFK26MFK26M Standard K-type thermocouple probe. For use with Pete's plugs to measure temperature-40° to 510°C -40° to 510°C -50° to 510°C -50° to 510°CGK11MGK11M Standard K-type thermocouple probe50° to 510°C -50° to 510°C -50° to 510°C -50° to 500°FGK13MGK16M K-type air probe for HK11M handle40° to 260°C -40° to 500°FGK16M Shielded tip with perforations to protect sensing area40° to 510°C -40° to 500°FGK18M Shielded tip with perforations to protect sensing area40° to 510°C -40° to 500°F	CK21M	with HK11M handle.	
CK21M K-type thermocouple pipe clamp for pipe diameters up to 1.2" (30mm) and for temperatures up to 0.212°F (100°C)-45° to 212°FFK11M FK13MFK11M K-type general purpose probe50° to 250°C -50° to 482°FFK13M FK26MFK13M K-type general purpose probe to use with HK11M handle-40° to 850°C -40° to 1,562°IFK26MFK26MFK26M Standard K-type thermocouple probe. For use with Pete's plugs to measure temperature-40° to 510°C -40° to 510°C -50° to 510°C -50° to 510°CGK11MGK11M Standard K-type thermocouple probe50° to 510°C -50° to 510°C -50° to 510°C -50° to 500°FGK13MGK16M K-type air probe for HK11M handle40° to 260°C -40° to 500°FGK16M Shielded tip with perforations to protect sensing area40° to 510°C -40° to 500°FGK18M Shielded tip with perforations to protect sensing area40° to 510°C -40° to 500°F		PIPE CLAMP PROBE	-50° to 100°C
FK11M pipe clamp for pipe diameters up to 1.2" (30mm) and for temperatures up to 212°F (100°C) FK13M -50° to 250°C -50° to 482°F FK13M -50° to 250°C -50° to 482°F FK13M -50° to 250°C -50° to 482°F FK13M -40° to 850°C -40° to 1,562°I FK26M FK13M K-type general purpose probe to use with HK11M handle -40° to 204°C -40° to 204°C -40° to 510°C FK26M FK26M Standard K-type thermocouple probe. -40° to 510°C -50° to 510°C -50° to 510°C GK11M Standard K-type thermocouple probe. -50° to 510°C -50° to 510°C -50° to 50°F GK13M -50° to 510°C -50° to 50°F -50° to 510°C -40° to 500°F GK16M -40° to 500°F K-type air probe for HK11M handle. Shielded tip with perforations to protect sensing area. -40° to 510°C -40° to 500°F GK18M -40° to 500°F Shielded tip with perforations to protect sensing area. -40° to 510°C -40° to 950°F		CK21M	
(30mm) and for temperatures up to 212°F (100°C) FK13M -50° to 250°C -50° to 482°F FK13M -50° to 250°C -50° to 482°F FK13M -40° to 850°C -40° to 1,562°I FK26M FK13M K-type general purpose probe to use with HK11M handle -40° to 850°C -40° to 1,562°I FK26M FK26M Standard K-type thermocouple probe. For use with Pete's plugs to measure temperature -40° to 204°C -40° to 510°C -50° to 510°C GK11M Standard K-type thermocouple probe. -50° to 510°C -50° to 510°C -50° to 50°F GK13M -50° to 510°C -50° to 500°F GK16M -50° to 510°C -50° to 500°F Shielded tip with perforations to protect sensing area. -40° to 500°F -40° to 500°F	EV44M	pipe clamp for pipe	
FK13M 212°F (100°C) FK11M -50° to 250°C GK11M -50° to 482°F GK11M FK26M GK13M FK26M GK16M GK16M GK16M GK16M GK16M GK18M GK18M -40° to 510°C GK18M -40° to 510°C GK18M -50° to 510°C GK18M -50° to 510°C GK18M -50° to 510°C GK18M -50° to 510°C GK18M -40° to 500°F GW to 500°F -40° to 500°F		(30mm) and for	
FK13MK-type general purpose probe50° to 482°FFK13MFK13M-40° to 850°CFK26MFK11M-40° to 1,562°IFK26MFK26M-40° to 204°CFK26MStandard K-type thermocouple probe. For use with Pete's plugs to measure temperature-40° to 204°CGK11MGK11M-50° to 510°CGK13MGK13M-50° to 510°CGK13MGK13M-50° to 510°CGK16MK-type general thermocouple probe50° to 510°CGK16MGK16M-50° to 510°CK-type air probe for HK11M handle40° to 260°C -50° to 50°FGK16MShielded tip with perforations to protect sensing area40° to 510°C -40° to 50°FGK18MShielded tip with perforations to protect sensing area40° to 510°C -40° to 510°C			
FK13M purpose probe. FK13M -40° to 850°C FK26M -40° to 1,562°I FK26M FK13M FK26M FK26M FK11M FK26M FK26M FK26M FK26M FK26M FK11M FK26M FK26M FK26M FK11M FK26M GK11M Standard K-type thermocouple probe. GK11M Standard K-type thermocouple probe. GK13M -50° to 510°C GK13M -50° to 510°C GK16M -50° to 510°C K-type air probe for HK11M handle. -40° to 260°C GK16M -40° to 500°F Shielded tip with perforations to protect sensing area. -40° to 510°C GK18M -40° to 510°C Shielded tip with perforations to protect sensing area. -40° to 510°C GK18M -40° to 510°C Shielded tip with perforations to protect sensing area. -40° to 510°C GK18M -40° to 500°F			-50° to 250°C
FK26M -40° to 1,562°I FK26M with HK11M handle -40° to 204°C GK11M FK26M -40° to 204°C GK11M FK26M -40° to 204°C GK11M FK26M -40° to 204°C GK11M GK11M FK26M GK11M GK11M -50° to 510°C GK13M GK13M -50° to 510°C GK13M GK13M -50° to 510°C GK16M -50° to 500°F K-type air probe for HK11M handle. -40° to 260°C GK16M -40° to 500°F GK18M -40° to 500°F Shielded tip with perforations to protect sensing area. -40° to 510°C GK18M -40° to 50°F Shielded tip with perforations to protect sensing area. -40° to 50°F	FK13M		-50° to 482°F
FK26M -40° to 1,562°I FK26M with HK11M handle -40° to 204°C GK11M FK26M -40° to 204°C GK11M FK26M -40° to 204°C GK11M FK26M -40° to 204°C GK11M GK11M FK26M GK11M GK11M -50° to 510°C GK13M GK13M -50° to 510°C GK13M GK13M -50° to 510°C GK16M -50° to 500°F K-type air probe for HK11M handle. -40° to 260°C GK16M -40° to 500°F GK18M -40° to 500°F Shielded tip with perforations to protect sensing area. -40° to 510°C GK18M -40° to 50°F Shielded tip with perforations to protect sensing area. -40° to 50°F	Auto	EK13M	-40° to 850°C
FK26M FK26M Standard K-type GK11M GK13M GK13M GK13M GK16M K-type air probe for HK11M handle. Shielded tip with perforations to protect sensing area. GK18M GK18M -40° to 510°C -40° to 510°C -40° to 510°C -40° to 500°F		K-type general	-40° to 1,562°I
FK26M -40° to 204°C Standard K-type -40° to 204°C Standard K-type -40° to 400°F GK11M GK11M -50° to 510°C GK13M GK13M -50° to 510°C GK13M GK13M -50° to 510°C GK16M Standard K-type -50° to 510°C GK13M GK16M -50° to 50°F GK16M Standard K-type -40° to 50°F GK16M Forber for -40° to 50°F GK16M Shielded tip with -40° to 50°F Shielded tip with perforations to -40° to 50°F Shielded tip with -40° to 50°F -40° to 50°F	FK26M	with HK11M handle	
GK11M -50° to 510°C GK11M GK11M GK11M GK11M GK13M GK13M GK13M GK13M GK13M -50° to 510°C GK16M -50° to 510°C GK16M -50° to 50°F GK16M -50° to 50°F GK16M -50° to 50°F GK16M -50° to 50°F GK16M -40° to 500°F			-40° to 204°C
GK11M GK11M -50° to 510°C GK13M GK13M -50° to 510°C GK13M GK13M -50° to 510°C GK13M GK13M -50° to 510°C GK16M -50° to 510°C -50° to 510°C GK16M -50° to 50°F -50° to 50°F GK16M -50° to 50°F -50° to 50°F GK16M -40° to 260°C -40° to 500°F GK16M Shielded tip with perforations to protect sensing area. -40° to 510°C GK18M -40° to 510°C -40° to 50°F		thermocouple probe For	-40° to 400°F
GK11M -50° to 510°C Standard K-type -50° to 950°F GK13M GK13M -50° to 510°C GK13M Standard K-type -50° to 510°C GK13M Standard K-type -50° to 510°C GK16M GK16M -50° to 50° F GK16M K-type air probe for -40° to 260°C Shielded tip with perforations to -40° to 500°F GK18M -40° to 500°F -40° to 500°F GK18M -40° to 500°F -40° to 500°F	50 M	to measure temperature	
GK13M -50° to 510°C GK13M -50° to 50°F Standard K-type thermocouple probe. -50° to 50°F GK16M -50° to 50°F GK16M -40° to 260°C GK16M -40° to 500°F Shielded tip with perforations to protect sensing area. -40° to 510°C GK18M -40° to 510°C Shielded tip with perforations to protect sensing area. -40° to 510°C GK18M -40° to 510°C Shielded tip with perforations to protect sensing area -40° to 510°C	GK11M	GK11M	-50° to 510°C
GK13M GK13M -50° to 510°C GK13M Standard K-type thermocouple probe. -50° to 950°F GK16M -40° to 260°C GK16M -40° to 500°F GK16M Shielded tip with perforations to protect sensing area. -40° to 510°C GK18M -40° to 510°C -40° to 510°C GK18M -40° to 510°C -40° to 50°F		Standard K-type	-50° to 950°F
GK13MStandard K-type thermocouple probe50° to 950°FGK16MGK16M-40° to 260°C -40° to 500°FGK16MK-type air probe for HK11M handle. Shielded tip with perforations to protect sensing area40° to 500°FGK18M-40° to 510°C -40° to 5510°C -40° to 950°F			
GK16M -40° to 260°C GK16M K-type air probe for HK11M handle. Shielded tip with perforations to protect sensing area. GK18M -40° to 510°C Shielded tip with -40° to 510°C Shielded tip with -40° to 510°C Shielded tip with -40° to 550°F	GK13M		-50° to 510°C -50° to 950°F
GK16M HK11M handle. Shielded tip with perforations to protect sensing area. GK18M -40° to 510°C -40° to 950°F order to sensing area -40° to 510°C order to sensing area -40° to 950°F		thermocouple probe.	
GK16M HK11M handle. Shielded tip with perforations to protect sensing area. GK18M -40° to 510°C -40° to 950°F order to sensing area -40° to 510°C order to sensing area -40° to 950°F			-40° to 260°C
GK18M -40° to 510°C Shielded tip with perforations to protect sensing area. -40° to 510°C GK18M -40° to 950°F	UST SA CONTRACTOR	HK11M handle.	- 1 0 10 JUU I'
GK18M Shielded tip with perforations to protect specing area	GK16M	perforations to	
Shielded tip with -40° to 950°F perforations to protect sensing area			-40° to 510°C
protect sensing area	2	Shielded tip with	-40° to 950°F
	GK18M		

375C1 • 376C1 • 377C
Save Over 20%
with a
Non-Contact /
Contact Kit

Get a Non-Contact/Contact Thermometer and all the essential probes in one convenient, money-saving kit!



375C1 • 376C1 • 377C1

Each kit includes your choice of the 375, 376, or 377; along with a soft A755 case with shoulder straps; and the following probe attachments: CK15M, Fk13M, GK13M, GK16M. HK11M. For details on the 375, 376, and 377 see the inside of this product brochure.



77pi

Thoroughly

testing and

diagnosing high

efficiency HVACR

systems or large

surface areas can

be labor intensive

and expensive.

Using the

appropriate

non-contact

thermometer

can reduce man

hours and help

insure system

performance

more easily. accurately, and affordably.

Monitor

several feet

of ductwork,

insulation. or

other large

areas in

less time.

No need to

insert

probes.

free!

Safe and

Measure

ladders.

drill holes to

temperature

contamination

temperatures

eader

from ground level - no

frared Applications

Food Safety

- Grill and surface
- temperatures
- Holding cabinets Serving
- temperatures
- Storage
- temperatures
- Food transport

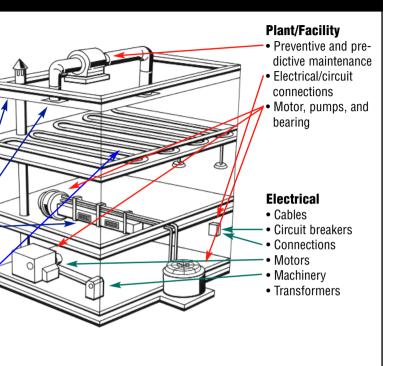
HVACR

- Compressor heads
- Vents and registers
- Hot and cold areas
- in insulation
- · Leaks around cooler
- or heater doors
- Floor heat
- Steam traps



Your Tools at Work

Infrared. Non-Contact Temperature Testers



• New Close-Focus, Pocket-Size Infrared Thermometer

• Close Focus 1/8" ~ 1.5" Selectable Fahrenheit or Centigrade temperature range: -7° to 248°F or

-22° to 120°C • Compact: Easily fits in your pocket

• Auto Data Hold: Point the unit at the surface to be measured then press and hold the ON/SET button.

Temperature will be displayed in less than 2 seconds and held on the display for 10 seconds

- Min/Max function displays the minimum or maximum temperature of 8 samplings in 0.5 seconds
- AUTO sets the 368 into scan mode to continuously scan surface temperatures in real time. In this mode unit automatically powers off after 60 minutes.
- **NOTE:** *Close focus IR thermometers* should be held a distance .5 to 2 inches from surface to obtain an accurate readina

P E		ß	1	П	NR

ange	-7° to 248°F or -22° to 120°C
perating Temp.	-32° to 104°F or 0° to 40°C
ccuracy	2% or reading or ±2°C, whichever is greater
esponse Time	Less than 0.5 second
esolution	0.1°F/C
mmisivity	0.95 fixed
istant to spot ratio	1:1.3
attery	A003
attery Life	50 hours continuous use, auto after 10 sec.

Measure hard-to-reach, sensitive, or moving target temperatures. Thi

Two instruments in one! Plug in optional K-type surface probe to convert non



FEATURES

- Easy to use one button operation
- 0.1 resolution for best reading
- Data hold function
- Soft holster pouch included

• 8:1 distance to spot ratio

ROWER

Rpi 373

THEP'3-YEAR

*t*pi

7.875" x 1.75" x 1.75"

372/373

VARRA

- **381F: 6:1** distance to spot ratio
- Large, easy to read LCD
- °C and °F selectable
- 9V battery included

- What does "distance to spot ratio" mean? The laser spot needs to be showing inside the target area. An 8:1 "distance to spot ratio" means vou are measuring a 1" diameter area at a distance of 8".

How far can I measure?

Distance is unlimited. The size of the target area sets the limit on distance for accurate measurements. Example: If the area you wish to measure is 1 foot in diameter, then you will need to be within 8 feet to record an accurate temperature.

What is the smallest target I can read? Approximately one-half inch in diameter. How do I turn the laser on and off? While holding the Power On button down you can toggle the Lock On button for either laser on or laser off operation. When the laser is activated the laser displays this icon A What is emissivity?

This is a ratio of an object's infrared emission compared to a theoretical black body, considered 1. Emissivity is always less than 1. Adjustable emissivity allows your non-contact thermometer to be adjusted to the surface you are checking to makereadings more accurate.

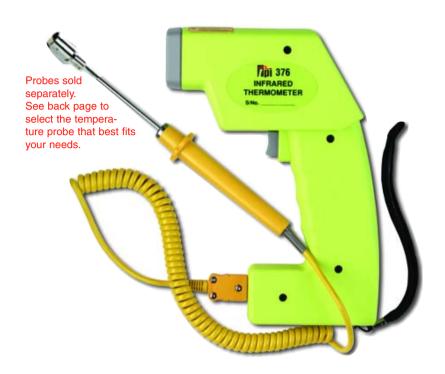
How do I adjust the emissivity of my contact/noncontact 375, 376, 377? The 375, 376, and 377 feature adjustable emissivity

and contact probe capability. This is very useful for determining the emissivity of any surface condition. Simply use the contact probe and record surface temperature. Next use the IR gun and adjust the emissivity until the temperature matches the reading of the contact probes. Copper pipe produces different emissivity properties, ranging from 0.02 to 0.78, due to oxygen oxidation and curvature. You will now have the most accurate reading in the IR mode for that surface.

How can I make measurements more accurate if I don't have my contact probe or have a fixed emissivity thermometer?

Painting the surface being measured matte black will make temperature readings more accurate. A piece of black tape can also be used.

FUNCTION	372	373	380	381	381F	383	384
Temp Ranges	-58° to 550°F	14° to 950°F	-4° to 572°F	-4° to 572°F	-31° to 572°F	-31° to 999°F	-31° to 1832°F
-50° to 28°C	50° to 510°C	-10° to 510°F	-20° to 300°C	-20° to 300°C	-35° to 300°C	-35° to 560°C	-35° to 1,000°C
Laser Signting	Yes	Yes	No	Yes	Yes	Yes	Yes
Accuracy @ 25°C and	\pm (2% of reading, \pm 3.5°F):	\pm (2% of reading, \pm 3.5°F):	±(2% of reading, ±3.5°F):	±(2% of reading, ±3.5°F):	32°F ~ 158°F : ±2°F	\pm (2% of reading, \pm 3.5°F):	-4°F ~ 32°F : ±5°F
0.95 Emmisivity	whichever is greater	whichever is greater	whichever is greater	whichever is greater	<32°F or >158°F: ± (2% of reading,	whichever is greater	32°F ~ 1040°F : ±3.5°F
				±3.5°F): whichever is greater	±3.5°F):whichever is greater		1040°F~1832°F:±(2%+3 digits)
Response Time	500 milliseconds	500 milliseconds	500 milliseconds	500 milliseconds	500 milliseconds	500 milliseconds	500 milliseconds
Emissivity	0.95 fixed	0.95 fixed	0.95 fixed	0.95 fixed	0.95 fixed	0.95 fixed	0.95 fixed
Spectral Response	7~14um	7~14um	7~14um	7~14um	7~14um	7~14um	8~14um
Operating Temp.	32° to 120°F	32° to 120°F	32° to 120°F	32° to 120°F	32° to 120°F	32° to 120°F	32° to 120°F
	0° to 50°C	0° to 50°C	0° to 50°C	0° to 50°C	0° to 50°C	0° to 50°C	0° to 50°C
Battery Type	9V alkaline	9V alkaline	9V alkaline	9V alkaline	9V alkaline	9V alkaline	9V alkaline



 Laser pointer Record function (N Display data hold f Back light Trigger switch 	/lin/Max) function	 8:1 distance to spot °C and °F selectable Gun-type compact de Operating lock functi 9V battery and soft p
SPECIFICATION	5	
FUNCTION	375	376
Temp. Ranges	0° to 950°F	-58° to 950°F
	-18° to 510°C	-50° to 510°C
Accuracy @ +23°C	30° to 950°F	30° to 950°F
CE=0.95	-1° to 510°C	-1° to 510°C
	±2% of reading or	±2% of reading o
	±3.5°F (2°C)	±3.5°F (2°C)
	whichever is greater	whichever is greate
Response Time	500) milliseconds
Spectral Response		7 - 14um
Emissivity	0.3	to 0.99 adjustable
Display Resolution		°F and 0.1°C or 1°F ar
Ambient Operating Ra	ange 32°	to 120°F and 0° to 50
PROBES		
K-type Range	-40	° to 2192°F and -40° t
K-type Accuracy	±(0	.5% of reading +3°F)
TEMPERATURE I	PROBES	
Choose from a comp • Contact or surface	blete line of probes for	
	• (Gas, air, flame

High temp. immersion

ratio

- esign on
- ouch included

377

- 0° to 1832°F 18° to 1000°C 30° to 950°F -18° to 1000°C ±2% of reading or ±3.5°F (2°C) whichever is greater
- nd 1°C

Semi-frozen product

to 1200°C



APPLICATIONS

Electrical

- Cables
- · Circuit breakers
- Connections
- Machinery Motors
- Transformers

HVACR

- · Compressor heads
- Vents Hot and cold areas in
- insulation · Leaks around cooler
- or freezer doors Leaks around windows
- Steam trans
- Registers

- Holding cabinets
- Serving temperatures
- Storage temperatures



Distance to Laser Point Diameter Ratio Distance to Spot Ratio = 8:1 Example Target Size = 1" x 1"



BEST Laser spot size is 1/2" at a distance of 4"



MARGINAL Laser spot size is 1" at a distance of 8"



UNACCEPTABLE Laser spot size is 1 1/2" at a distance of 1'

CAUTION LASER RADIATION

Do not stare at laser beam or point toward others, Keep these products out of reach of children. Output<1 Mw Wavelength 645 - 660nm

